

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 7118**  
Mitsuo TADA et al. : Docket No. 2001-1568A  
Serial No. 09/982,025 : Group Art Unit 2862  
Filed October 19, 2001 : Examiner Walter E. Snow

**RECEIVED**  
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FREQUENCY MEASURING DEVICE,  
POLISHING DEVICE USING THE SAME  
AND EDDY CURRENT SENSOR

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. .

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☒ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.


3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a. ☐ a full or partial English language translation submitted herewith,
- b. ☒ a foreign patent office search report (in the English language) submitted herewith,
- c. ☐ the concise explanation contained in the specification of the present application at page,
- d. ☐ the concise explanation set forth in the attached English language abstract,
- e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Mitsuo TADA et al.

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: May 7, 2004

ATTY DOCKET NO.  
2001-1568ASERIAL NO.  
09/982,025APPLICANT  
Mitsuo TADA et al.FILING DATE  
October 19, 2001GROUP  
2862

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,433,541	08/2002	Lehman et al.			
	AB	3,909,714	09/1975	Nakano			
	AC	5,017,869	05/1991	Oliver			
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	SU 901938	01/1982	SU				X
	AK	WO 01/46684	06/2001	WO				
	AL							
	AM							
	AN							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 3 909 714 A (NAKANO YOSHIKI) 30 September 1975 (1975-09-30)	1-4	B24B49/10
A	* column 1, line 1-22 * * column 2, line 27 - column 3, line 26 * * column 3, line 55 - column 4, line 37; claim 1; figures 1,3-5 *	5,6	G01B7/06 G01R23/10 G01N27/72
A	--- HOROWITZ: "the art of electronics" 1980, CAMBRIDGE UNIVERSITY PRESS, CAMBRIDGE XP002253219 * page 618 *	1-3	
X	US 5 644 221 A (LI LEPING ET AL) 1 July 1997 (1997-07-01)	10,11	
A	* column 1-3; figures 1-3 *	5-9	
X	US 5 017 869 A (OLIVER DAVID W) 21 May 1991 (1991-05-21) * column 1, line 7-24 * * column 1, line 58 - column 2, line 61; figure 1 *	12-18	
X	--- DATABASE WPI Week 198247 Derwent Publications Ltd., London, GB; AN 1982-A2459J XP002273647 -& SU 901 938 A (AS LATV PHYS POWER), 30 January 1982 (1982-01-30) * abstract *	12,13, 16,17	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G01R B24B G01B G01N
P,X	WO 01 46684 A (LEE SHING M ;LEHMAN KURT R (US); FIELDEN JOHN (US); JOHNSON WALT ( ) 28 June 2001 (2001-06-28)	12-18	
A	* page 1, line 5-8 * * page 12, line 16 - page 15, line 21 * * page 16, line 2-17; figures 1,2 *	7-11	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 19 March 2004	Examiner Prasse, T
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 4975

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-03-2004

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